

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

MACH

RRID:SCR_009621

Type: Tool

Proper Citation

MACH (RRID:SCR_009621)

Resource Information

URL: <http://www.sph.umich.edu/csg/abecasis/MACH/download/>

Proper Citation: MACH (RRID:SCR_009621)

Description: QTL analysis based on imputed dosages/posterior_probabilities.

Synonyms: mach2qtl, MaCH

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: [PMID:21058334](#), [PMID:19715440](#), [DOI:10.1002/gepi.20533](#)

Keywords: genetic association, genomic analysis, imaging genomics, snp, gene, quantitative trait analysis, bio.tools

Availability: Free, Non-commercial, Acknowledgement requested

Resource Name: MACH

Resource ID: SCR_009621

Alternate IDs: nlx_155856, biotools:mach

Alternate URLs: <http://www.nitrc.org/projects/mach>, <https://bio.tools/mach>

Old URLs: <https://sources.debian.org/src/mach-haplotyper/>

Record Creation Time: 20220129T080254+0000

Record Last Update: 20260829T182336+0000

Ratings and Alerts

No rating or validation information has been found for MACH.

No alerts have been found for MACH.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 937 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Zhou Z, et al. (2026) Genetic predisposition to high BMI, ultra-processed food consumptions in childhood, and adiposity in young adulthood: a 17-year prospective cohort study of 3061 individuals. BMC medicine, 24(1).

Moolhuijsen LME, et al. (2026) Genomic analyses implicate hormonal and metabolic dysregulation in polycystic ovary syndrome. Nature genetics, 58(5), 1040.

Selicharová I, et al. (2026) An engineered insulin analog with dual insulin and IGF-1 receptor agonism and distinct signaling. Science advances, 12(20), eaeb7558.

McEvoy LK, et al. (2026) Association of epigenetic age acceleration with MRI biomarkers of aging and Alzheimer's disease neurodegeneration. Aging, 18(1), 303.

Klinger HM, et al. (2026) Independent, but not synergistic, associations of APOE ϵ 4 and systemic inflammation on cognitive decline: findings from the Women's Health Initiative. Journal of clinical and experimental neuropsychology, 1.

Sink K, et al. (2026) MACH: A Multi-Attribute Catchment Hydrometeorological dataset. Scientific data, 13(1).

Byg LM, et al. (2026) Nutrition in early life interacts with genetic risk to influence preadult behaviour in the Raine Study. Communications medicine, 6(1), 76.

Yatagai Y, et al. (2026) Genetic predisposition to elevated BMI and adult asthma phenotypes in a Japanese population. PloS one, 21(1), e0340728.

Nguyen S, et al. (2026) Epigenetic Clocks of Biological Aging and Risk of Incident Mild Cognitive Impairment and Dementia: The Women's Health Initiative Memory Study. Aging cell, 25(3), e70424.

Feitosa M, et al. (2026) Discovery of gene-alcohol interaction loci influencing blood pressure in 1.1 million individuals from multiple populations. Research square.

Plummer R, et al. (2025) TIMEPOINT, a phase 1 study combining MTL-CEBPA with pembrolizumab, supports the immunomodulatory effect of MTL-CEBPA in solid tumors. Cell reports. Medicine, 6(4), 102041.

Boone I, et al. (2025) Development of Reliable and High-Throughput Human Biomimetic Cartilage and Bone Models to Explore Senescence and Personalized Osteoarthritis Treatment Options. *Journal of orthopaedic research : official publication of the Orthopaedic Research Society*, 43(5), 912.

Aghaee Rad H, et al. (2025) Scaling and networking a modular photonic quantum computer. *Nature*, 638(8052), 912.

Zhao P, et al. (2025) Ultra-broadband optical amplification using nonlinear integrated waveguides. *Nature*, 640(8060), 918.

Li M, et al. (2025) Navigation-grade interferometric air-core antiresonant fibre optic gyroscope with enhanced thermal stability. *Nature communications*, 16(1), 3449.

Xiong Z, et al. (2025) Combined genome-wide association study of facial traits in Europeans increases explained variance and improves prediction. *Nature communications*, 16(1), 6562.

Pyun JM, et al. (2025) Polygenic risk score predicts pathologically confirmed cerebral amyloid angiopathy. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(12), e70958.

Beyer F, et al. (2025) White matter hyperintensity spatial patterns: Risk factors and clinical correlates. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(4), e70053.

Liu L, et al. (2025) Assessing the Impact of Partial Decellularization on Tracheal Chondrocytes and Extracellular Matrix in Airway Reconstruction. *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*, 172(6), 2026.

Zhu Y, et al. (2025) Implementation of double Feynman gate in high dimensional quantum systems. *Scientific reports*, 15(1), 12184.